



## Testimonial Statement

Product: RCMS | Project: DB Project Stuttgart

The DB Project Stuttgart in Germany is a rail development connecting Stuttgart and Ulm which includes the restructuring of the Stuttgart node and a new line from Wendlingen to Ulm. As part of this project there are some 63.4 km of cuttings and tunnels, which includes the Alborlandtunnel Los 2 project which is being constructed by Implenia Construction GmbH Tiefbau and Tunnelbau Deutschland.

As part of the tunnel construction operation the contract called for continual measuring of the tunnel support ring convergence. Dipl.-Ing. Thomas Unterfeld, Measurement Coordinator was in charge of selecting and managing the right measurement system for the project. He chose VMT's RCMS (Ring Convergence Measurement System). Interviewing Thomas Unterfeld about the project he was asked:

### Q. Why did you decide to use RCMS for this project?

A. The service description of our contract demands the monitoring by means of a measuring system for the continuous monitoring of ring convergence. As there were no comparable alternatives in terms of similar performance spectrum or promise from other manufacturers and given that we were familiar with the RCMS predecessor from a previous project, we decided to go with RCMS in its new further-developed and optimised version. The main arguments for the VMT RCMS system that convinced us to move forward with this product was our experience of the company's reliable employees and the availability of full system support when required and the stability of the RCMS. So far the system has fully met our expectations.



Measurement Coordinator Dipl.-Ing.  
Thomas Unterfeld

### Q. Did RCMS provide additional capabilities over the course of the project?

A. By using the two new systems, which we had already used in their test phase and which could still be optimised to our project requirements, we were able to achieve significant improvements in respect of our monitoring process. For example assembly times were shortened substantially and the resources needed were also reduced. Instead of 2 or 3 persons working for 2 hours or more, the assembly requirement was reduced to 2 persons working for a maximum of 15 minutes.

### Q. How would you summarise your experience with RCMS system and VMT?

A. The direct selection of the RCMS meant that we were able to facilitate the necessary requirements of our particular system quickly and efficiently with our needs being achieved by VMT under strict time limitations. The installation process was excellent and the ongoing support cannot be faulted. The system has offered us better and more stable functionality as well as hardware savings. There is also the advantage of having a direct contact person. Ultimately we have to date been extremely pleased with the modifications to the basic system provided by VMT to ensure our system fitted our purpose exactly. Would we use RCMS again? Yes, most definitely, particularly as it would partner us again with the VMT team.



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Dipl.-Ing. Thomas Unterfeld, Implenia Construction GmbH Tiefbau – Tunnelbau Deutschland